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FIG.1 200

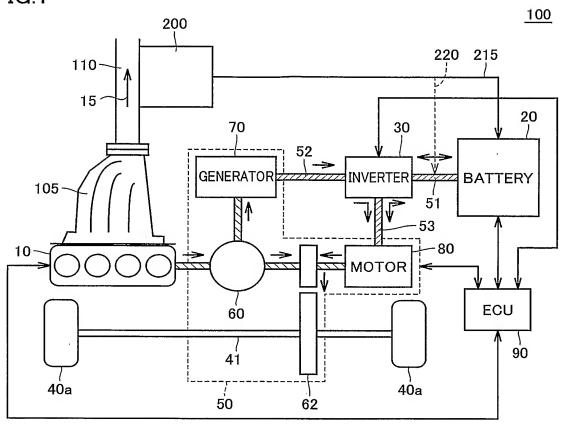


FIG.2 Ph(TO 20 OR 30) 200 250 230 260 **POWER CONVERTER** III P2 P1 P3 265 210 -- 210 ST1 ST2 ST3 **UPSTREAM** DOWNSTREAM 105 110 III 15

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FIG.3

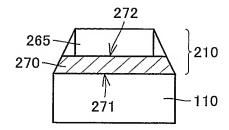
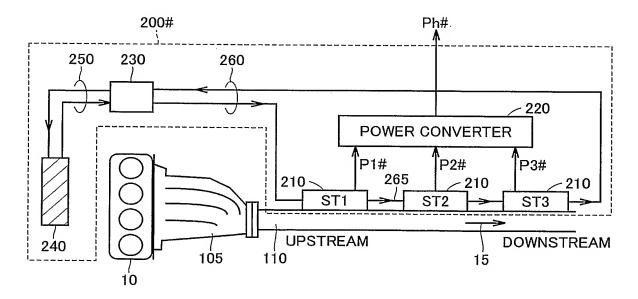


FIG.4



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FIG.5

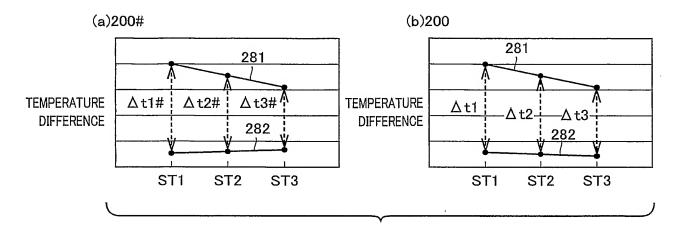
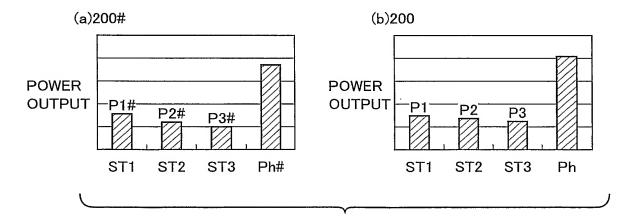


FIG.6



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FIG.7 101 MG1 220 40a 200 215 152 40b EXHAUST HEAT 110 RECOVERY POWER **GENERATION DEVICE** 10 61 --MG2 151 55-- 90 ECU BATTERY INVERTER 10,20,30 151,152,100 40b 40a 53b 30 51 20